S-Video Balun (500016)
S-Video/Audio Balun (500017)

Overview

The S-Video Balun allows a single S-Video signal to be transmitted via unshielded twisted pair (UTP) cable up to 1000 ft (305m) in a point-to-point connection.

The product is available in two models; the S-Video Balun (500016) and the S-Video/Audio Balun (500017). Used in pairs, the S-Video Balun eliminates costly and bulky S-Video cable, allowing S-Video equipment to be connected or moved to any convenient modular outlet.

The S-Video Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (p/n 500200) to allow S-Video programming to be distributed via UTP. Some of the applications are; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks.

500016 500017

Features & Benefits

Eliminate S-Video patch cables
20 Hz to 20 KHz audio bandwidth
Up to 1000 feet (305m) via Cat5e/6 UTP
Quicker moves, adds and changes
Greater distance than S-Video cable
Compact design for neater wiring
500017 includes 6" dual RCA jumper cable

Specifications		
Environment	S-Video equipment	
Devices	DVD players, VCR, satellite receivers, MPEG players, laptops, notebooks, monitors, LCD projectors, CCD cameras, video switchers, sequencers, digital video servers, video multiplexers, S-Video splitters, S-Video converters and other S-Video equipment.	
Transmission	Transparent to the user.	
	S-Video	**Audio**
Bandwidth	DC to 6 MHz	20 Hz to 20 KHz
Impedance	75 ohms	600 ohms min.
Max. Input	1.1Vp-p	1.1Vp-p
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 6 MHz	Less than 2 dB per pair over the frequency range.
Return Loss	Better than 15 dB over the frequency range	N/A
Common Mode Rejection	Greater than 40 dB over the frequency range	Greater than 60 dB @ 1 KHz Greater than 40 dB over the frequency and distance range
Max. Distance – Cat5e/6 UTP	1,000 ft. (305m)	3,250 ft (990m)
Pin Configuration (RJ45)	S-Video Luma: pins 7[R] &8 [T] S-Video Chroma: pins 4[R] & 5 [T] *Reverse Polarity Sensitive*	Audio 1: pins 1[R] & 2 [T] Audio 2: pins 3 [R] & 6 [T]
Cable – UTP	24AWG or lower solid copper twisted pair wire Impedance: 100 ohms at 1 MHz; Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz	
Connectors	500016: One (1) 4-pin Mini DIN and one (1) RJ45 500017: One (1) 4-pin Mini DIN, two (2) RCA audio jacks and one (1) RJ45 The 500017 comes with one (1) 6" dual-RCA stereo audio cable. Up to 12 feet of audio cable (not included) may be used with the 500017.	
Temperature	Operating: 0 to 55 C. Storage:-20 to 85 C. Humidity: up to 95%	
Enclosure	Fire retardant plastic	
Dimensions	500016: 1.875" x 1.0" diameter plus 5" S-Video lead 500017: 2.40" x 2.25" x 1.00" plus 5" S-Video lead	
Weight	500016: 1.0 oz (28 gms). 500017: 3.1 oz (89 gms)	
Warranty	Lifetime	
Order Information	500016 S-Video Balun 500017 S-Video/Audio Balun	

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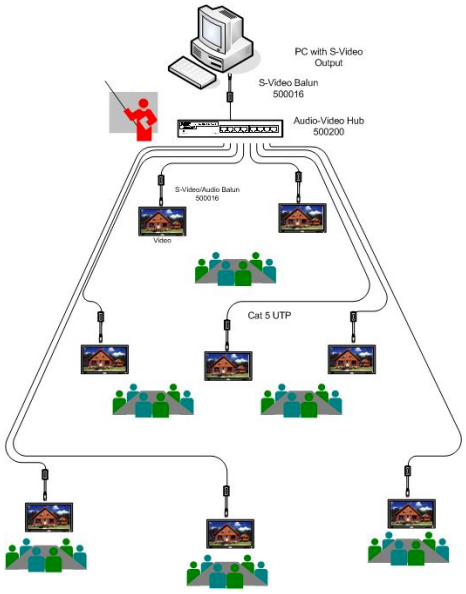
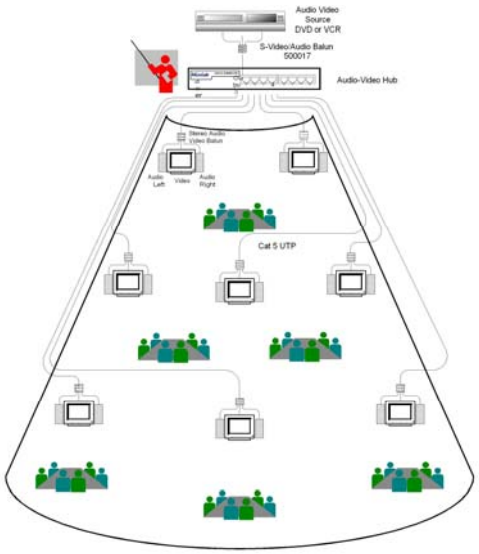
Typical Applications

S-Video and Audio Distribution Using
500200 and 500017





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